

Calibration verification standard (VER): The mid-point calibration standard (CS3) that is used to verify calibration. See Table 4.

Chlorophenolics: collectively, the analytes listed in Table 1.

CS1, CS2, CS3, CS4, CS5: See Calibration standards and Table 4.

Field blank: An aliquot of reagent water or other reference matrix that is placed in a sample container in the laboratory or the field, and treated as a sample in all respects, including exposure to sampling site conditions, storage, preservation, and all analytical procedures. The purpose of the field blank is to determine if the field or sample transporting procedures and environments have contaminated the sample.

GC: Gas chromatograph or gas chromatography.

HRGC: High resolution GC.

IPR: Initial precision and recovery; four aliquots of the diluted PAR standard analyzed to establish the ability to generate acceptable precision and accuracy. An IPR is performed prior to the first time this method is used and any time the method or instrumentation is modified.

K-D: Kuderna-Danish concentrator; a device used to concentrate the analytes in a solvent.

Laboratory blank: See Method blank.

Laboratory control sample (LCS): See Ongoing precision and recovery standard (OPR).

Laboratory reagent blank: See Method blank.

May: This action, activity, or procedural step is neither required nor prohibited.

May not: This action, activity, or procedural step is prohibited.

Method blank: An aliquot of reagent water that is treated exactly as a sample including exposure to all glassware, equipment, solvents, reagents, internal standards, and surrogates that are used with samples. The method blank is used to determine if analytes or interferences are present in the laboratory environment, the reagents, or the apparatus.

Minimum level (ML): The level at which the entire analytical system must give a recognizable signal and acceptable calibration point for the analyte. It is equivalent to the concentration of the lowest calibration standard, assuming that all method-specified sample weights, volumes, and cleanup procedures have been employed.

MS: Mass spectrometer or mass spectrometry.

Must: This action, activity, or procedural step is required.

OPR: Ongoing precision and recovery standard (OPR); a laboratory blank spiked with known quantities of analytes. The OPR is analyzed exactly like a sample. Its purpose is to assure that the results produced by the laboratory remain within the limits speci-

fied in this method for precision and recovery.

PAR: Precision and recovery standard; secondary standard that is diluted and spiked to form the IPR and OPR.

Preparation blank: See Method blank.

Primary dilution standard: A solution containing the specified analytes that is purchased or prepared from stock solutions and diluted as needed to prepare calibration solutions and other solutions.

Quality control check sample (QCS): A sample containing all or a subset of the analytes at known concentrations. The QCS is obtained from a source external to the laboratory or is prepared from a source of standards different from the source of calibration standards. It is used to check laboratory performance with test materials prepared external to the normal preparation process.

Reagent water: Water demonstrated to be free from the analytes of interest and potentially interfering substances at the method detection limit for the analyte.

Relative standard deviation (RSD): The standard deviation times 100 divided by the mean.

RF: Response factor. See Section 10.5.1.

RR: Relative response. See Section 10.4.4.

RSD: See Relative standard deviation.

Should: This action, activity, or procedural step is suggested but not required.

Stock solution: A solution containing an analyte that is prepared using a reference material traceable to EPA, the National Institute of Science and Technology (NIST), or a source that will attest to the purity and authenticity of the reference material.

VER: See Calibration verification standard.

PART 431—THE BUILDERS' PAPER AND BOARD MILLS POINT SOURCE CATEGORY

Subpart A—Builders' Paper and Roofing Felt Subcategory

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431.10 Applicability; description of the builders' paper and roofing felt subcategory.

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431.14 Effluent limitations representing the degree of effluent reduction attainable

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by the application of the best available technology economically achievable (BAT).

431.15 New source performance standards (NSPS).

431.16 Pretreatment standards for existing sources (PSES).

431.17 Pretreatment standards for new sources (PSNS).

AUTHORITY: Secs. 301, 304 (b), (c), (e), and (g), 306 (b) and (c), 307 (b) and (c), and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, as amended by the Clean Water Act of 1977) (the "Act"); 33 U.S.C. 1311, 1314 (b), (c), (e), and (g), 1316 (b) and (c), 1317 (b) and (c), and 1361; 86 Stat. 816, Pub. L. 92-500; 91 Stat. 1567, Pub. L. 95-217.

SOURCE: 47 FR 52063, Nov. 18, 1982, unless otherwise noted.

Subpart A—Builders' Paper and Roofing Felt Subcategory

§ 431.10 Applicability; description of the builders' paper and roofing felt subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of builders' paper and roofing felt from wastepaper.

§ 431.11 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 and § 430.01 shall apply to this subpart.

(b) Production shall be defined as the annual off-the-machine production (including off-the-machine coating where applicable) divided by the number of operating days during that year. Production shall be measured at the off-the-machine moisture content. Production shall be determined for each mill based upon past production practices, present trends, or committed growth.

(c) A non-continuous discharger is a mill which is prohibited by the NPDES authority from discharging pollutants during specific periods of time for reasons other than treatment plant upset control, such periods being at least 24 hours in duration. A mill shall not be deemed a non-continuous discharger unless its permit, in addition to setting

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forth the prohibition described above, requires compliance with the effluent limitations established by this subpart for non-continuous dischargers and also requires compliance with maximum day and average of 30 consecutive days effluent limitations. Such maximum day and average of 30 consecutive days effluent limitations for non-continuous dischargers shall be established by the NPDES authority in the form of concentrations which reflect wastewater treatment levels that are representative of the application of the best practicable control technology currently available, the best conventional pollutant control technology, or new source performance standards in lieu of the maximum day and average of 30 consecutive days effluent limitations for conventional pollutants set forth in this subpart.

§ 431.12 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

SUBPART A

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
BOD ₅	5.0	3.0
TSS	5.0	3.0
pH	(¹)	(¹)
Settleable Solids	(²)	(²)

¹ Within the range of 6.0 to 9.0 at all times.

² Not to exceed 0.2 ml/l.

[47 FR 52063, Nov. 18, 1982; 48 FR 13178, Mar. 30, 1983]

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§ 431.13 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT).

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 431.12 of this subpart for the best practicable control technology currently available (BPT), except that noncontinuous dischargers shall not be subject to the maximum day and average-of-30-consecutive-days limitations, but shall be subject to annual average effluent limitations determined by dividing the average-of-30-consecutive-days limitations for BOD₅ by 1.90 and TSS by 1.90.

[51 FR 45242, Dec. 17, 1986]

§ 431.14 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart where chlorophenolic-containing biocides are used must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT). Non-continuous dischargers shall not be subject to the maximum day mass limitations in kg/kg (lb/1000 lb), but shall be subject to concentration limitations. Concentration limitations are only applicable to non-continuous dischargers. Permittees not using

chlorophenolic-containing biocides must certify to the permit-issuing authority that they are not using these biocides.

SUBPART A

Pollutant or pollutant property	BAT effluent limitations	
	Maximum for any 1 day	
	Kg/kg (pounds per 1,000 lb)	Milligrams/liter
Pentachlorophenol	0.0017	(0.029)(14.4)/y
Trichlorophenol	0.00060	(0.010)(14.4)/y

y=wastewater discharged in kgal per ton of product.

(Approved by the Office of Management and Budget under control number 2040-0033)

[47 FR 52063, Nov. 18, 1982, as amended at 48 FR 31405, July 8, 1983]

§ 431.15 New source performance standards (NSPS).

Any new source subject to this subpart must achieve the following new source performance standards (NSPS), except that non-continuous dischargers shall not be subject to the maximum day and average of 30 consecutive days effluent limitations for BOD₅ and TSS, but shall be subject to annual average effluent limitations determined by dividing the average of 30 consecutive days limitations for BOD₅ by 1.91 and TSS by 1.90. Also, for non-continuous dischargers, concentration limitations (mg/l) shall apply, where provided. Concentration limitations will only apply to non-continuous dischargers. Only facilities where chlorophenolic-containing biocides are used shall be subject to pentachlorophenol and trichlorophenol limitations. Permittees not using chlorophenolic-containing biocides must certify to the permit-issuing authority that they are not using these biocides.

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SUBPART A

Pollutant or pollutant property	NSPS	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
BOD ₅	1.7	0.94
TSS	2.7	1.40
pH	(¹)	(¹)
	Kg/kg(lb/1,000 lb) of product	
Pentachlorophenol	0.0017	(0.155)(2.7)/y
Trichlorophenol	0.00060	(0.053)(2.7)/y

y=wastewater discharged in kgal per ton of product.

¹ Within the range of 5.0 to 9.0 at all times.

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[47 FR 52063, Nov. 18, 1982, as amended at 48 FR 31405, July 8, 1983]

§ 431.16 Pretreatment standards for existing sources (PSES).

(a) Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart that introduces pollutants into a publicly owned treatment works must (1) comply with 40 CFR part 403 and (2) achieve the following pretreatment standards for existing sources (PSES) if it uses chlorophenolic-containing biocides. Permittees not using chlorophenolic-containing biocides must certify to the permit-issuing authority that they are not using these biocides. PSES must be attained on or before July 1, 1984.

SUBPART A

Pollutant or pollutant property	PSES
	Maximum for any 1 day
	Milligrams per liter (mg/l)
Pentachlorophenol	(0.032)(14.4)/y
Trichlorophenol	(0.010)(14.4)/y

y=wastewater discharged in kgal per ton of product.

(b) In cases when POTWs find it necessary to impose mass effluent limitations, the following equivalent mass limitations are provided as guidance:

SUBPART A

Pollutant or pollutant property	PSES
	Maximum for any 1 day
	Kg/kg (or pounds per 1,000 lb) of product
Pentachlorophenol	0.0019
Trichlorophenol	0.00060

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[47 FR 52063, Nov. 18, 1982, as amended at 48 FR 31405, July 8, 1983]

§ 431.17 Pretreatment standards for new sources (PSNS).

(a) Except as provided in 40 CFR 403.7, any new source subject to this subpart that introduces pollutants into a publicly owned treatment works must (1) comply with 40 CFR part 403 and (2) achieve the following pretreatment standards for new sources (PSNS) if it uses chlorophenolic-containing biocides. Permittees not using chlorophenolic-containing biocides must certify to the permit-issuing authority that they are not using these biocides.

SUBPART A

Pollutant or pollutant property	PSNS
	Maximum for any 1 day
	Milligrams per liter (mg/l)
Pentachlorophenol	(0.171)(2.7)/y
Trichlorophenol	(0.053)(2.7)/y

y=wastewater discharge in kgal per ton of product.

(b) In cases when POTWs find it necessary to impose mass effluent limitations, the following equivalent mass limitations are provided as guidance:

SUBPART A

Pollutant or pollutant property	PSNS
	Maximum for any 1 day
	Kg/kg (or pounds per 1,000 lb) of product
Pentachlorophenol	0.0019
Trichlorophenol	0.00060

(Approved by the Office of Management and Budget under control number 2040–0033)

[47 FR 52063, Nov. 18, 1982, as amended at 48 FR 31405, July 8, 1983]